

FIG. 1

1 OF 16

REGISTRATION PHASE

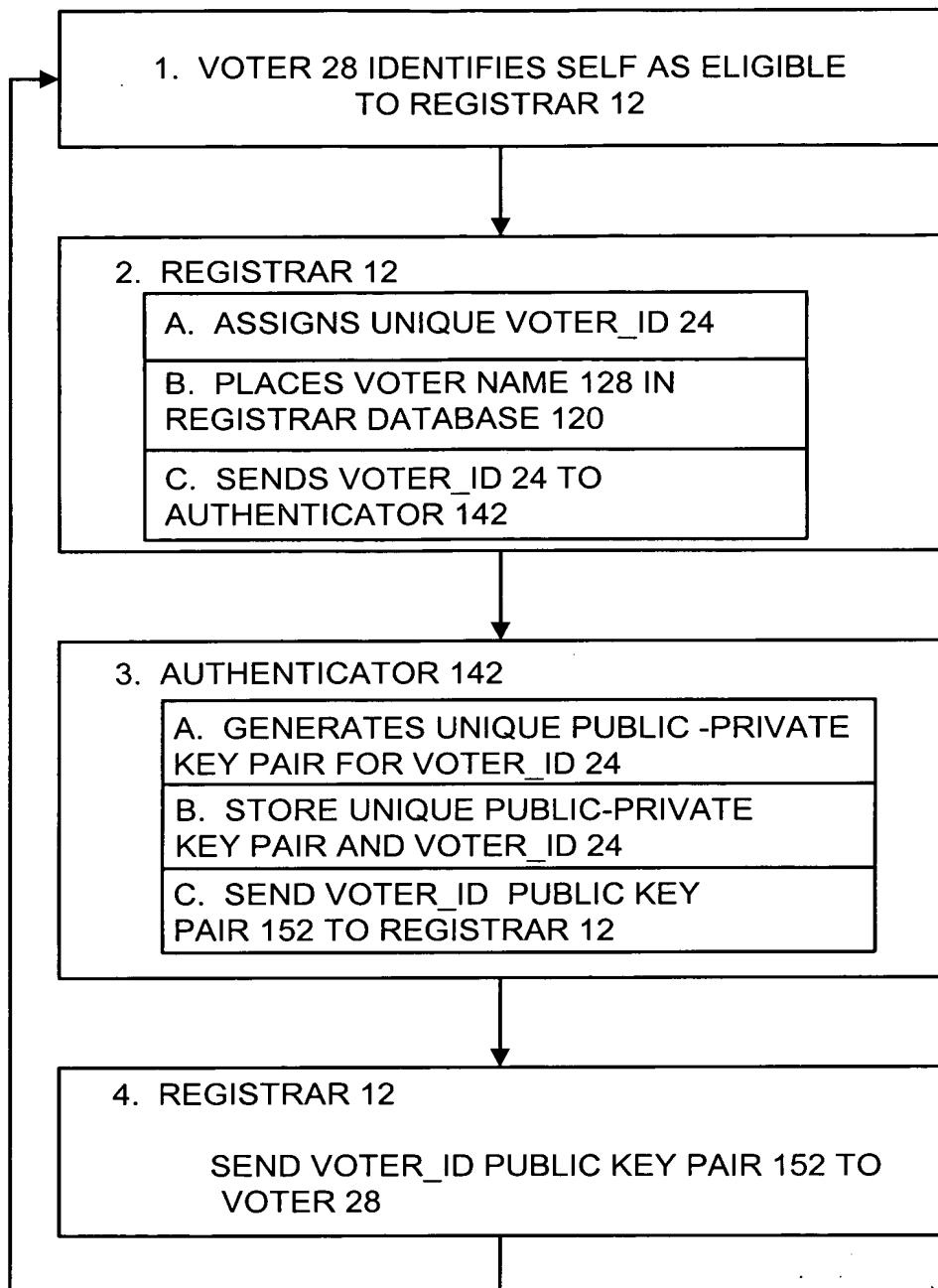


FIG. 1A

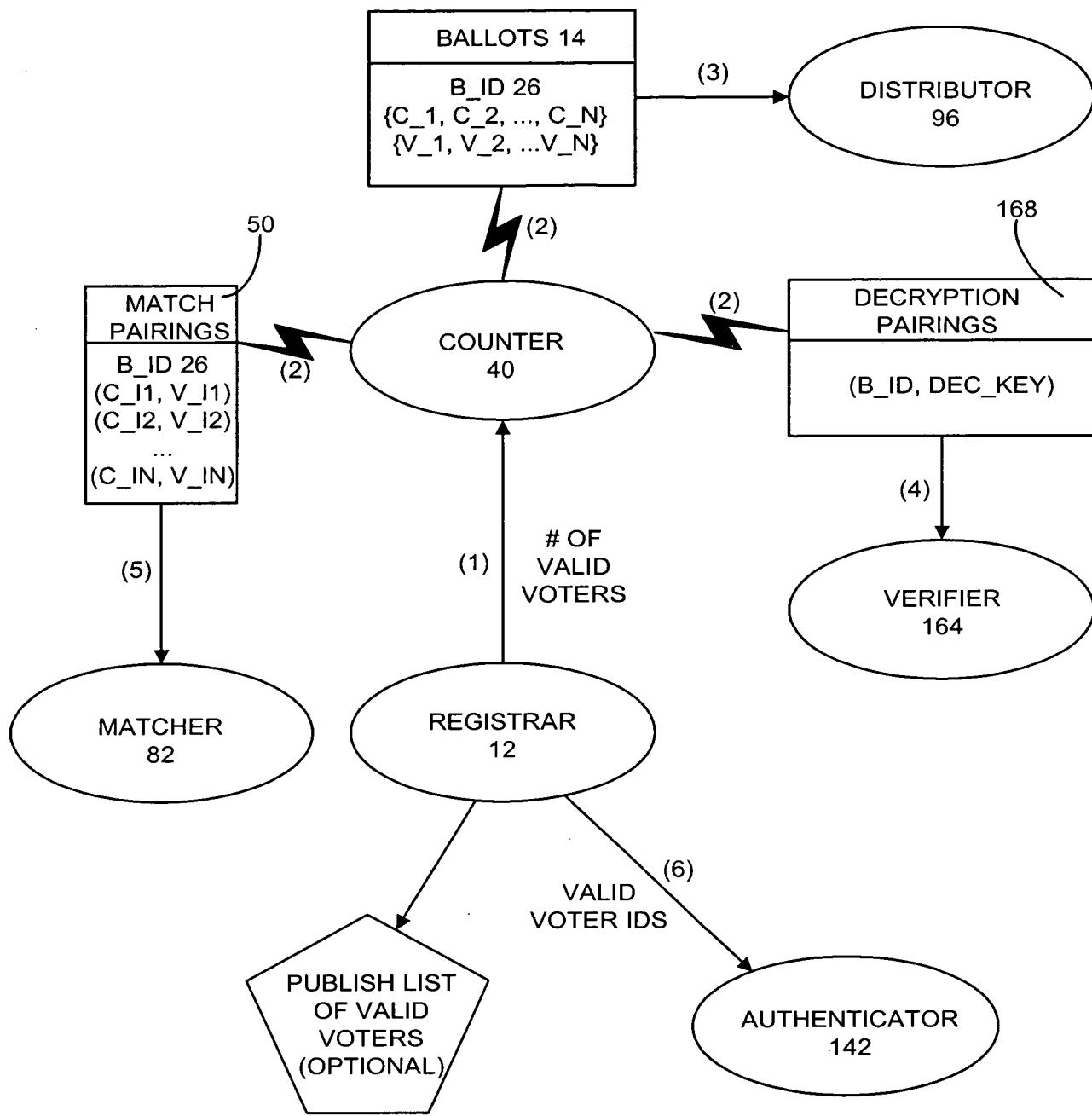


FIG. 2
3 OF 16

PRE-VOTING PHASE

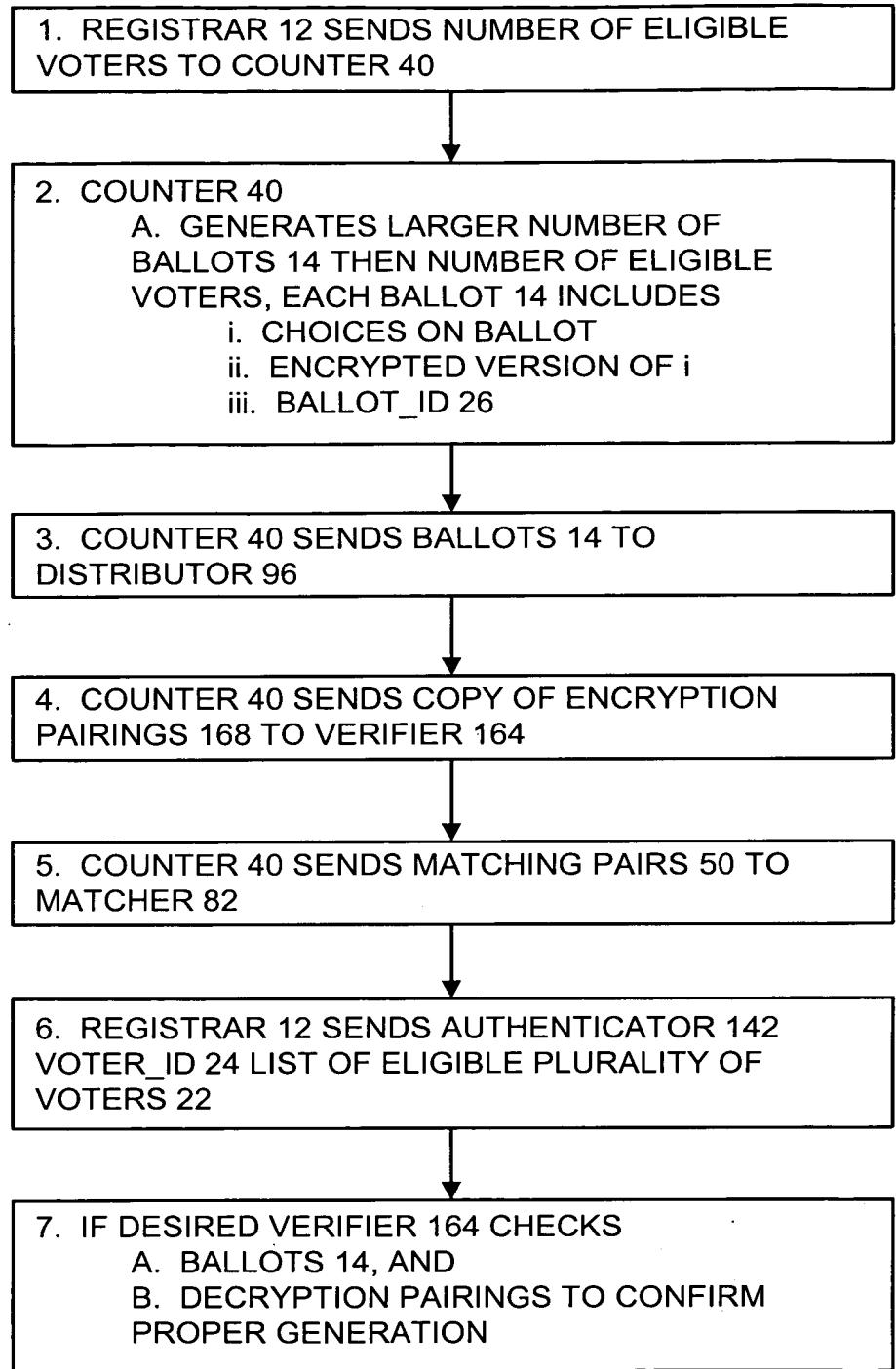


FIG. 2A

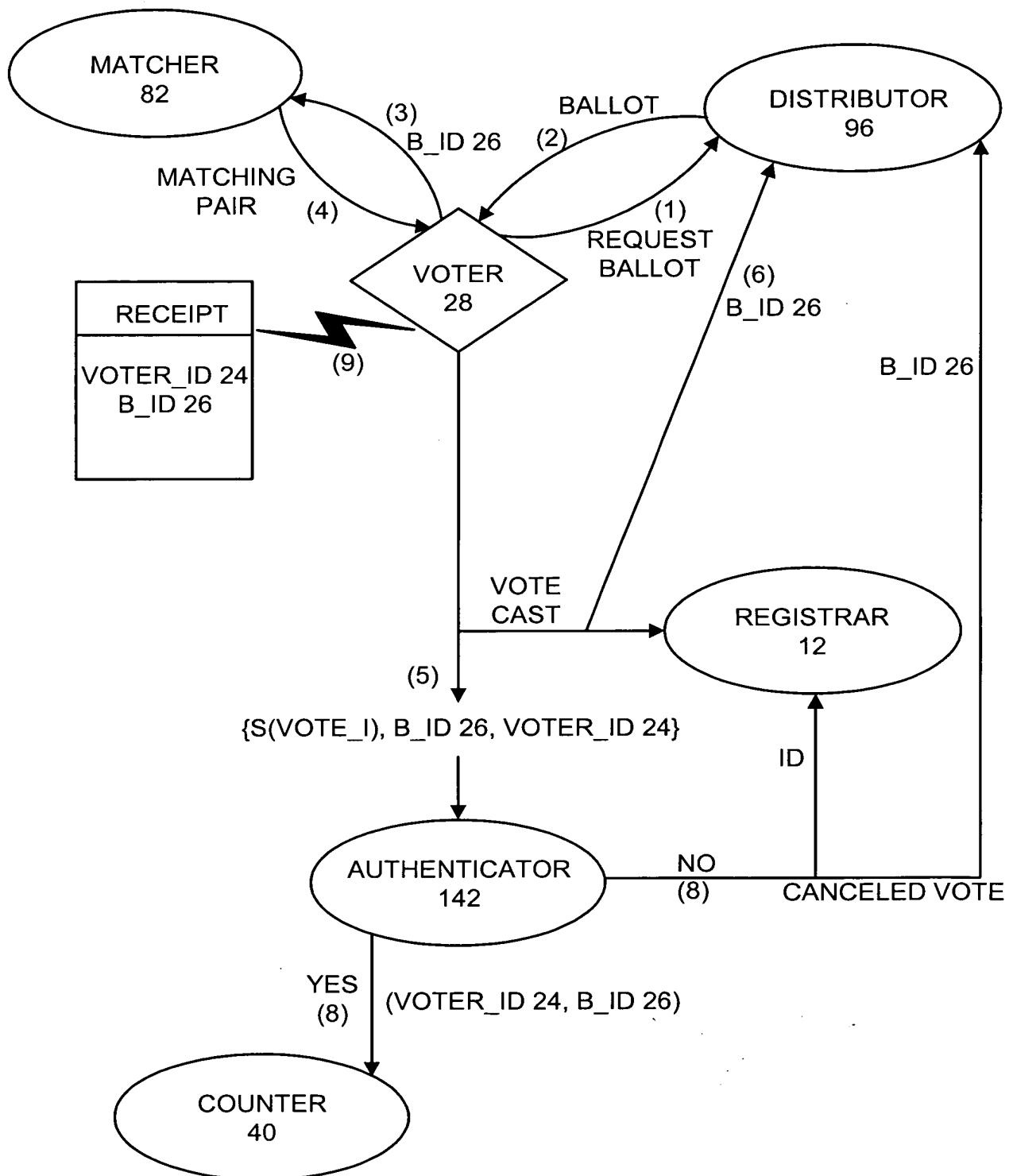


FIG. 3

5 OF 16

VOTING PHASE

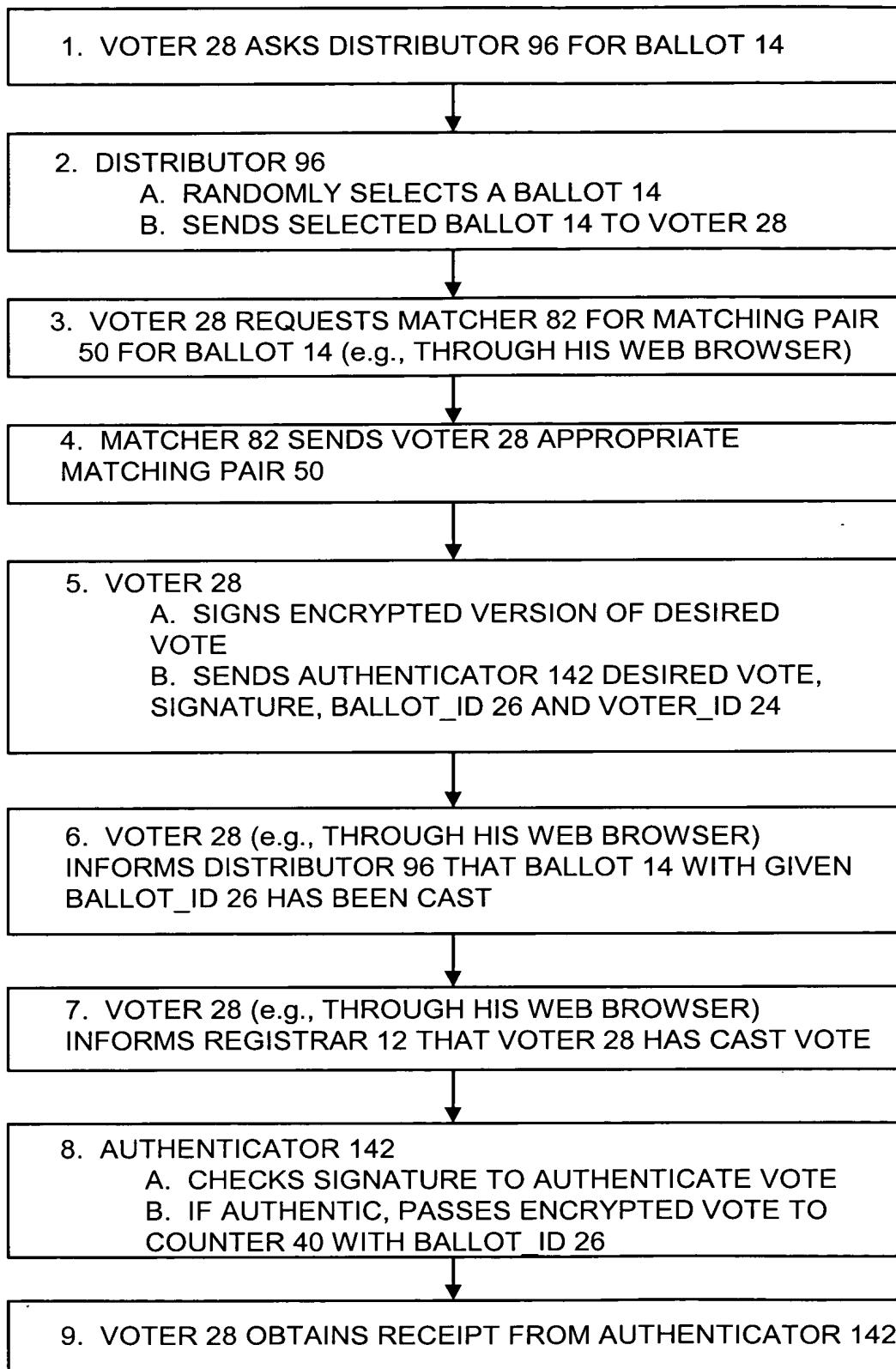


FIG. 3A
6 OF 16

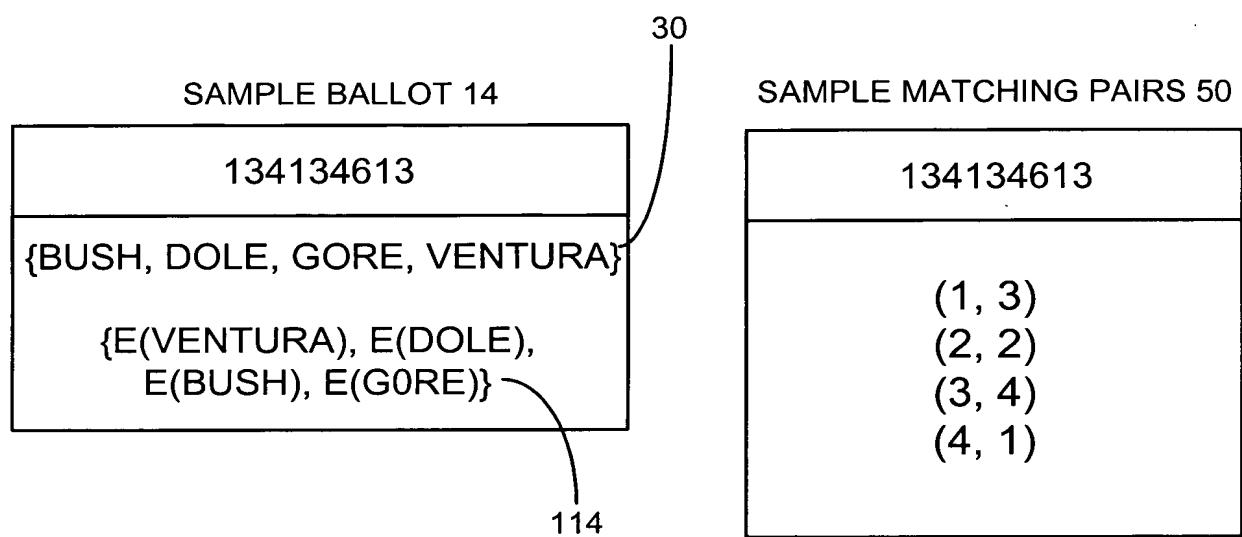


FIG. 4
7 OF 12

ANNOUNCEMENT PHASE

1. COUNTER 40
 - A. DECRYPTS RECEIVED VOTES
 - B. TALLIES VOTES
2. AUTHENTICATOR 142 PUBLISHES LIST #1 OF
 - i. ENCRYPTED BALLOTS, AND
 - ii. BALLOT IDS
3. COUNTER 40
 - A. PUBLISHES LIST #2 CONTAINING ITS VERSION OF
 - i. ENCRYPTED BALLOTS, AND
 - ii. BALLOT IDS
 - B. LIST #1 AND LIST #2 SHOULD BE IDENTICAL
4. AUTHENTICATOR 142 PUBLISHES LIST #3 OF ALL VOTER_IDS 24 THAT CAST BALLOTS 14
5. REGISTRAR 12 LOOKS AT LIST #1 TO VERIFY THAT ONLY ELIGIBLE VOTERS 38 VOTED
6. VERIFIER 164 CONFIRMS THAT LIST #1 AND LIST #2 ARE IDENTICAL
7. VERIFIER 164 USES LIST #1 AND THE DECRYPTION PAIRS 168 TO CONFIRM RESULTS OF COUNTER 40
8. VOTERS 22 CAN LOOK AT LIST#1 AND LIST #2 TO SEE THEIR VOTES ON THESE LISTS
9. DISTRIBUTOR 96
 - A. LOOKS AT LIST #1 AND LIST #2 TO ENSURE ONLY ELIGIBLE BALLOTS
 - B. REMOVE INELIGIBLE BALLOTS
 - C. OPTIONAL, RELEASE LIST OF BALLOT_IDS 26
10. COUNTER 40 ANNOUNCES ELECTION RESULTS WHICH MAY BE OPTIONAL VERIFIED BY VERIFIER 164

FIG. 4A
8 OF 16

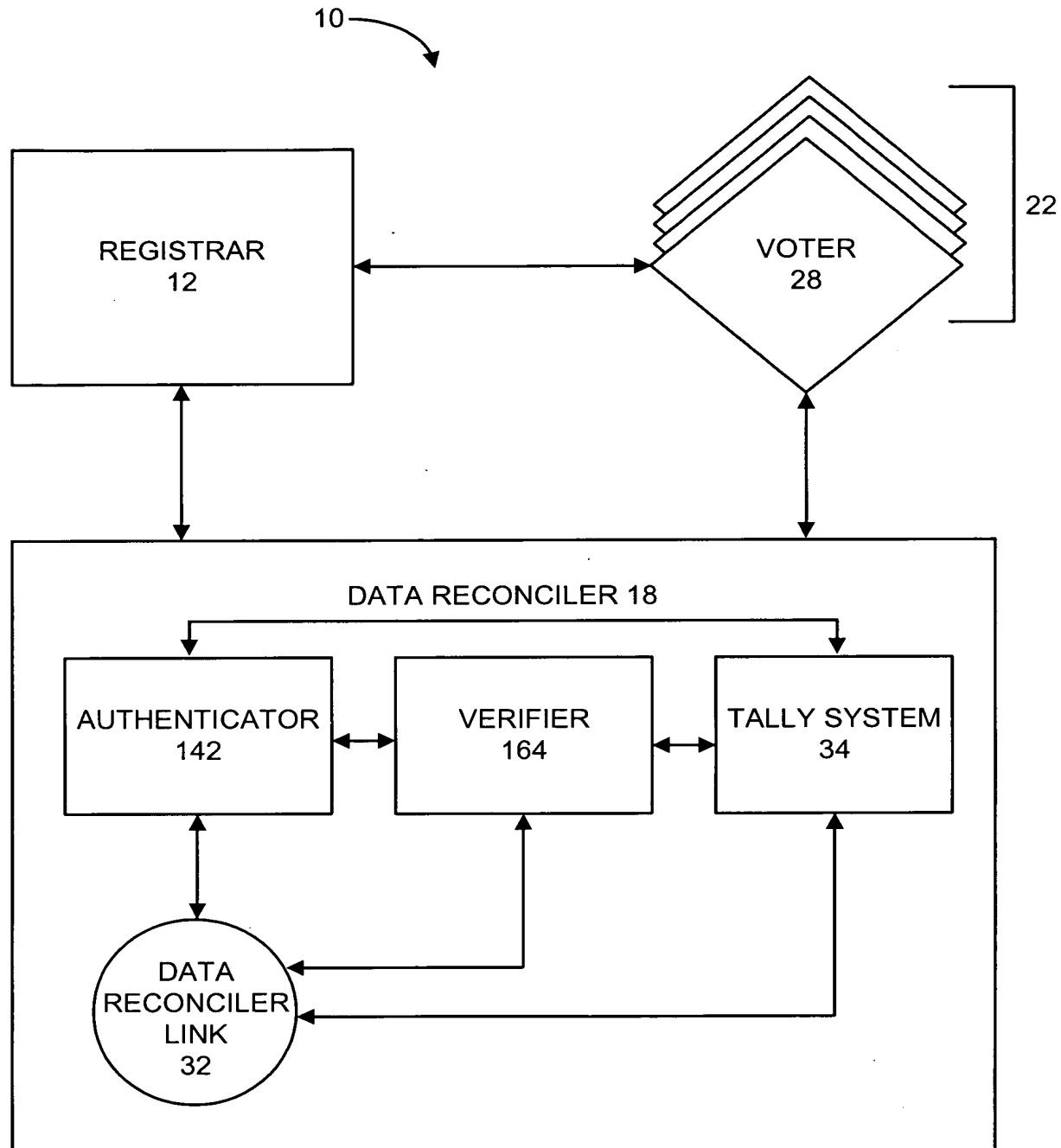


FIG. 5
9 of 16

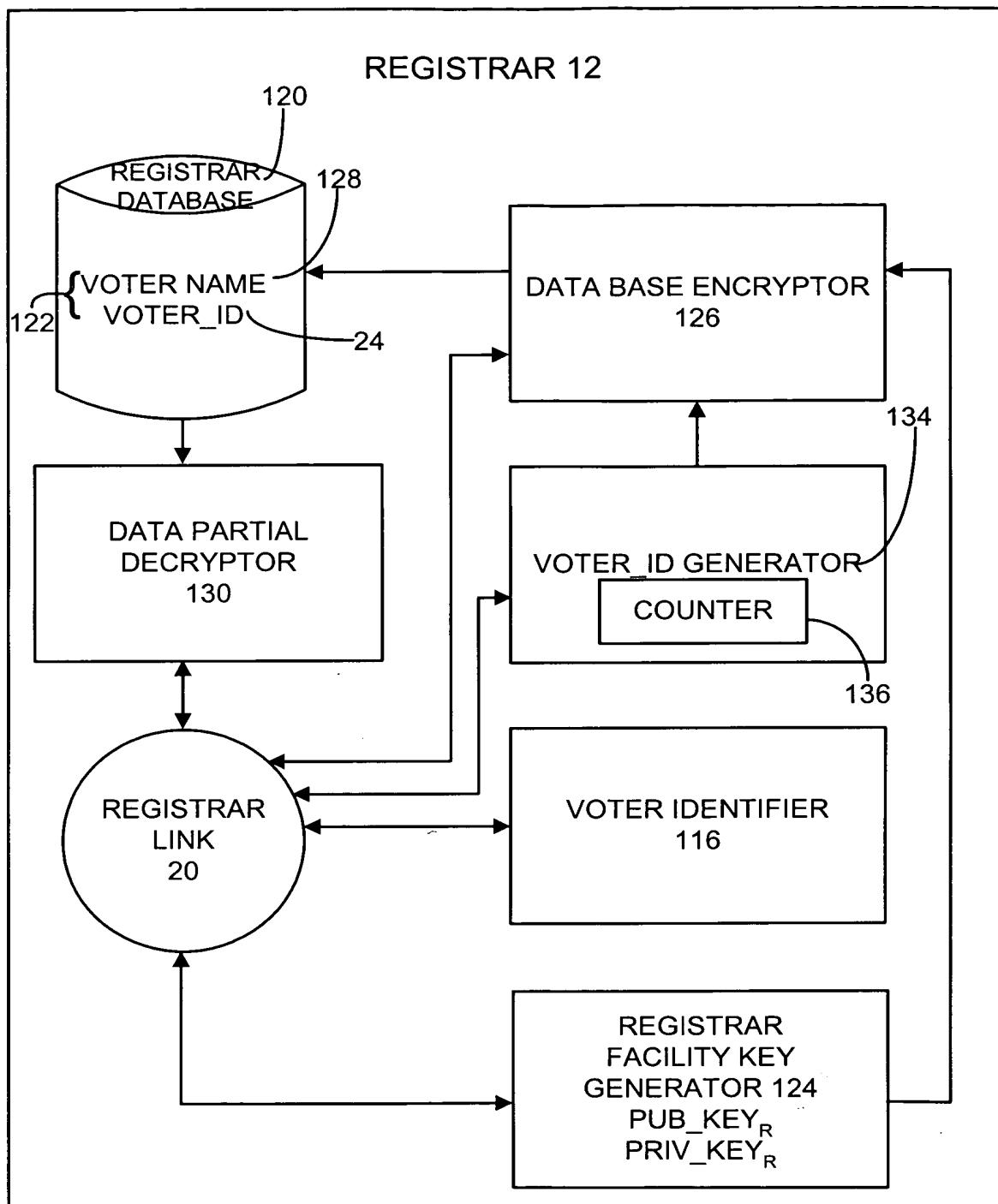


FIG. 6
10 OF 16

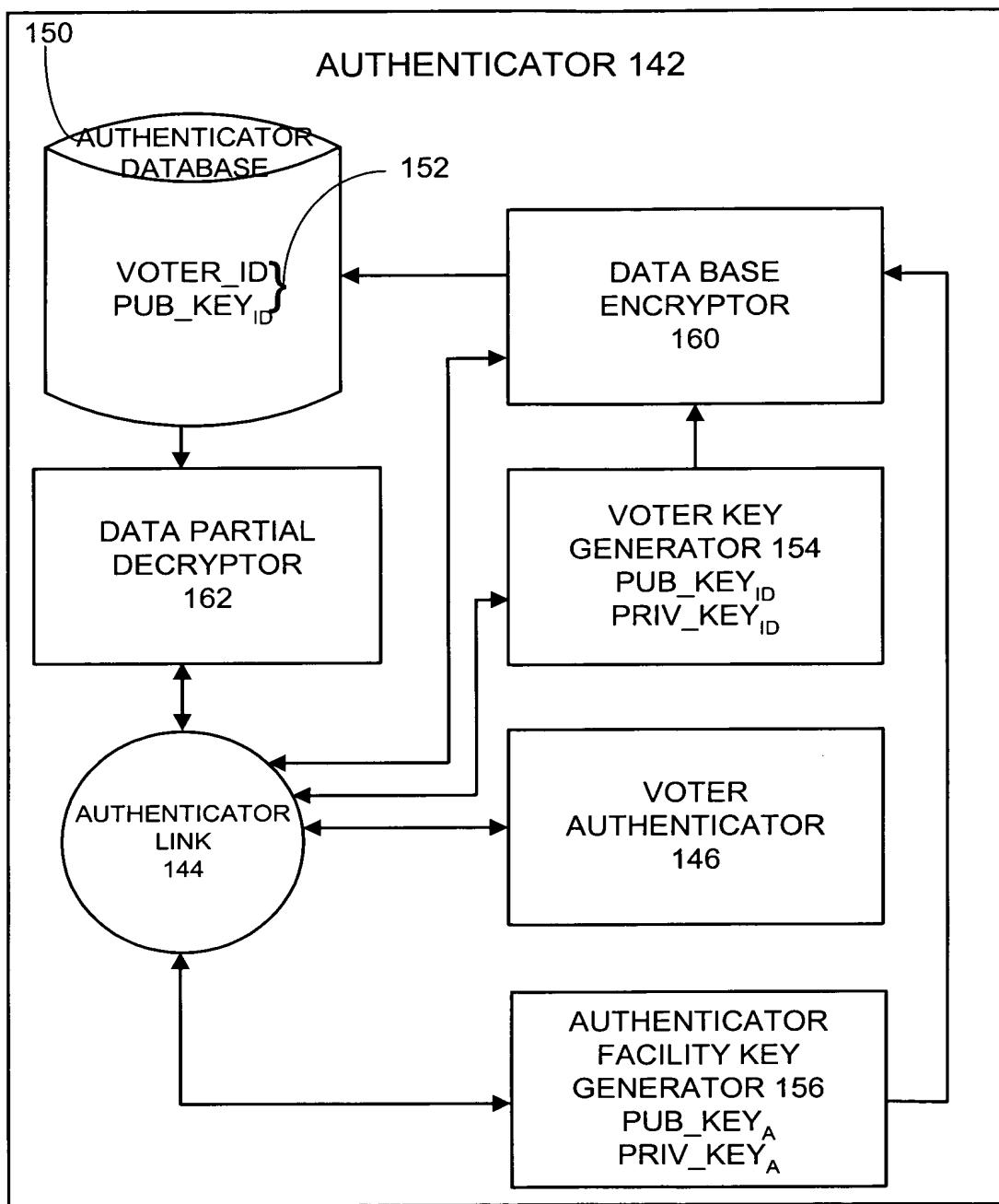


FIG. 7

11 OF 16

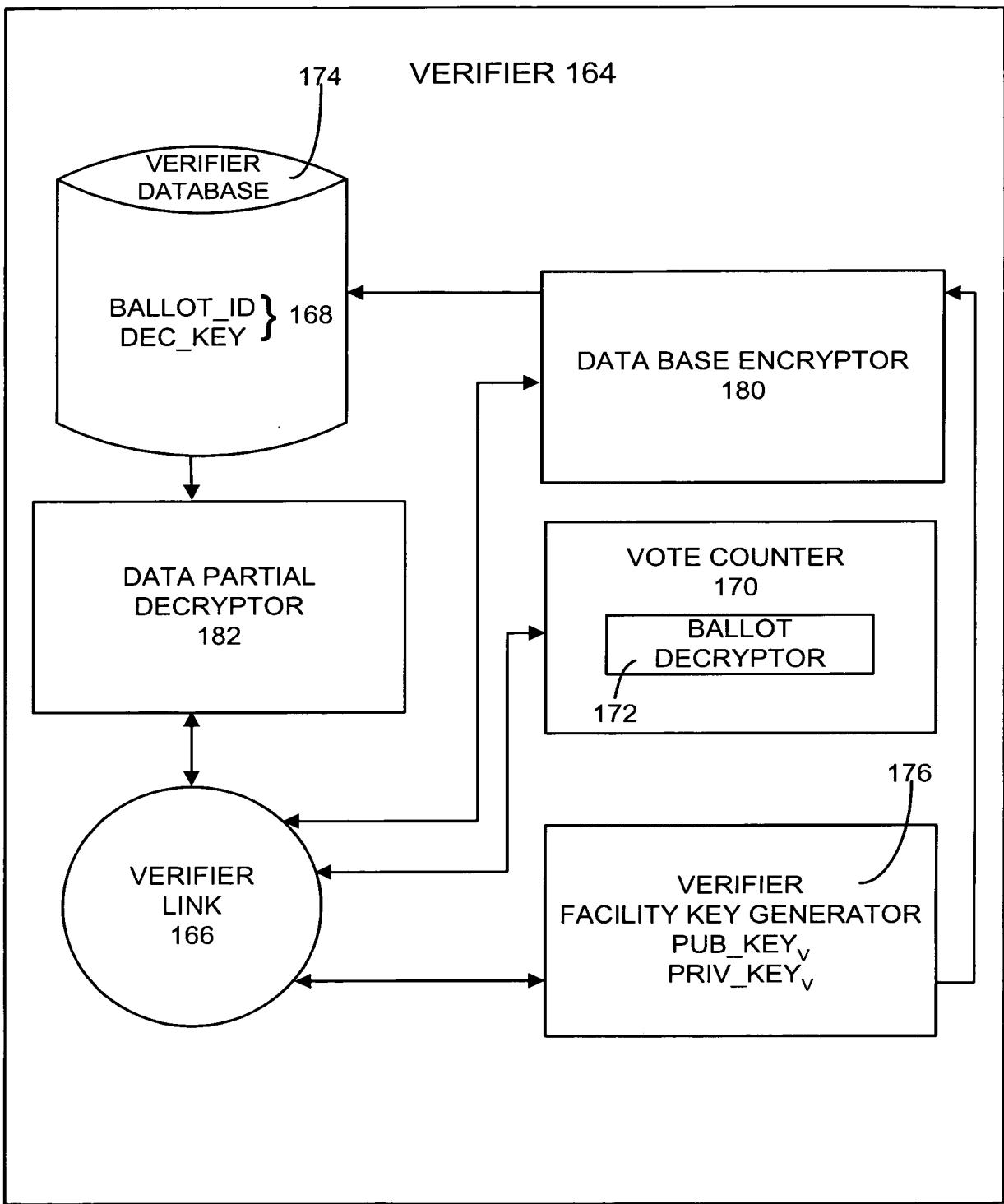


FIG. 8
12 OF 16

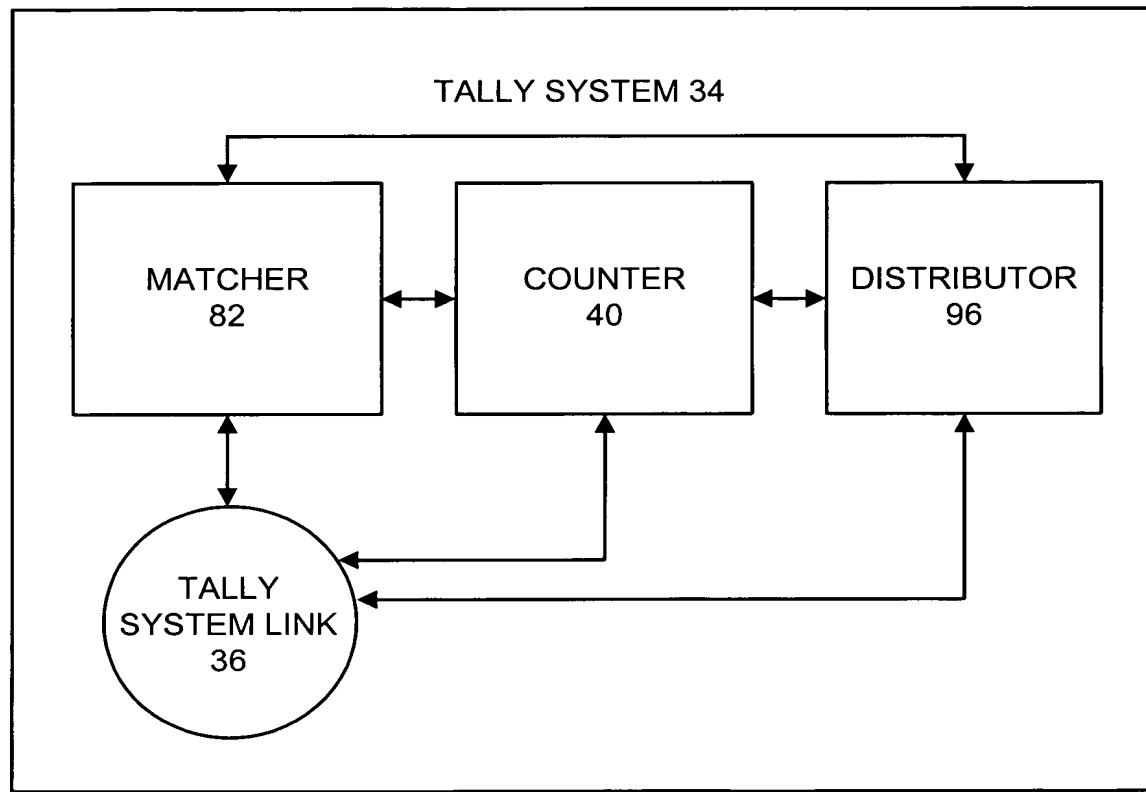


FIG. 9
13 OF 16

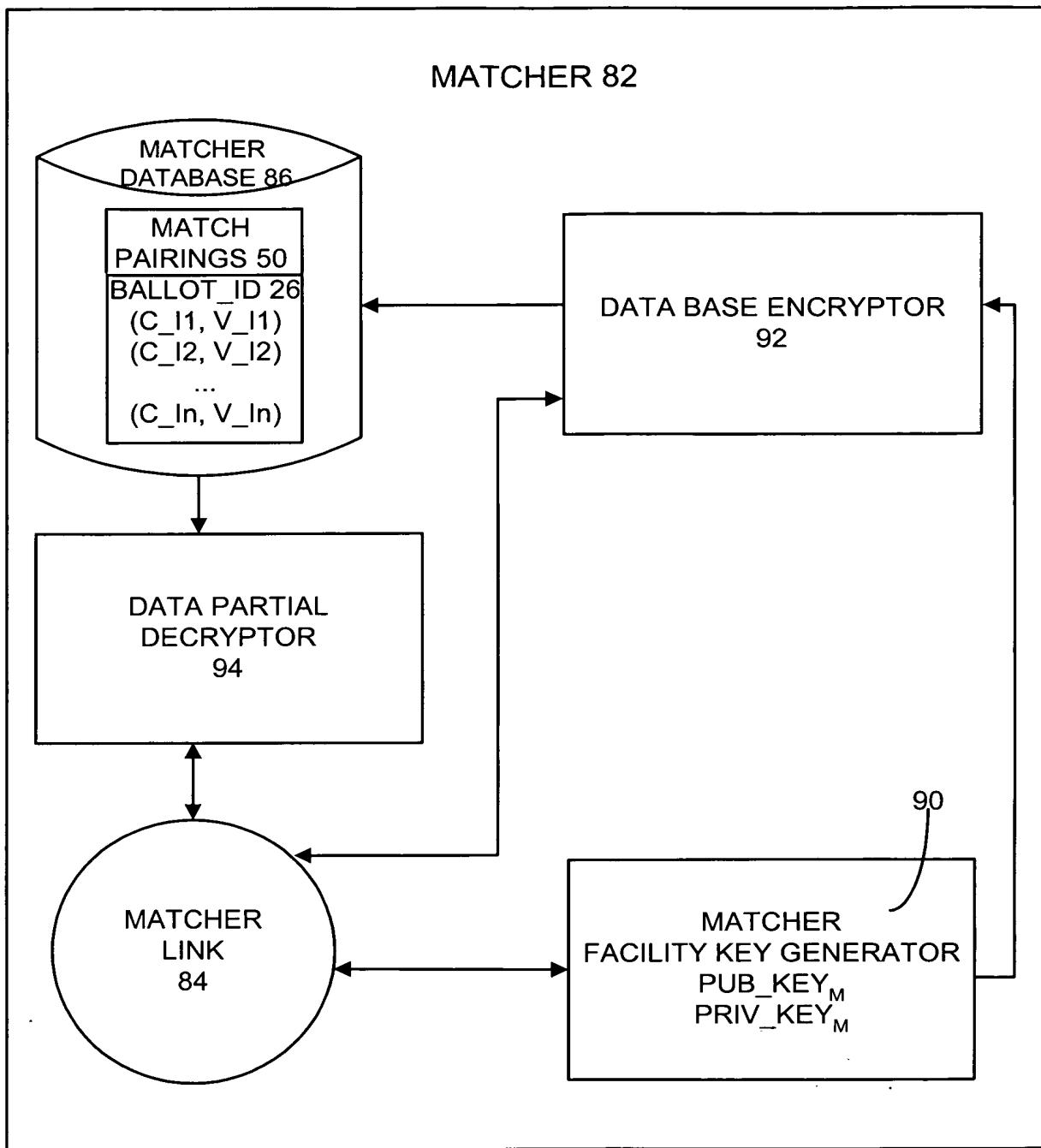


FIG. 10

14 OF 16

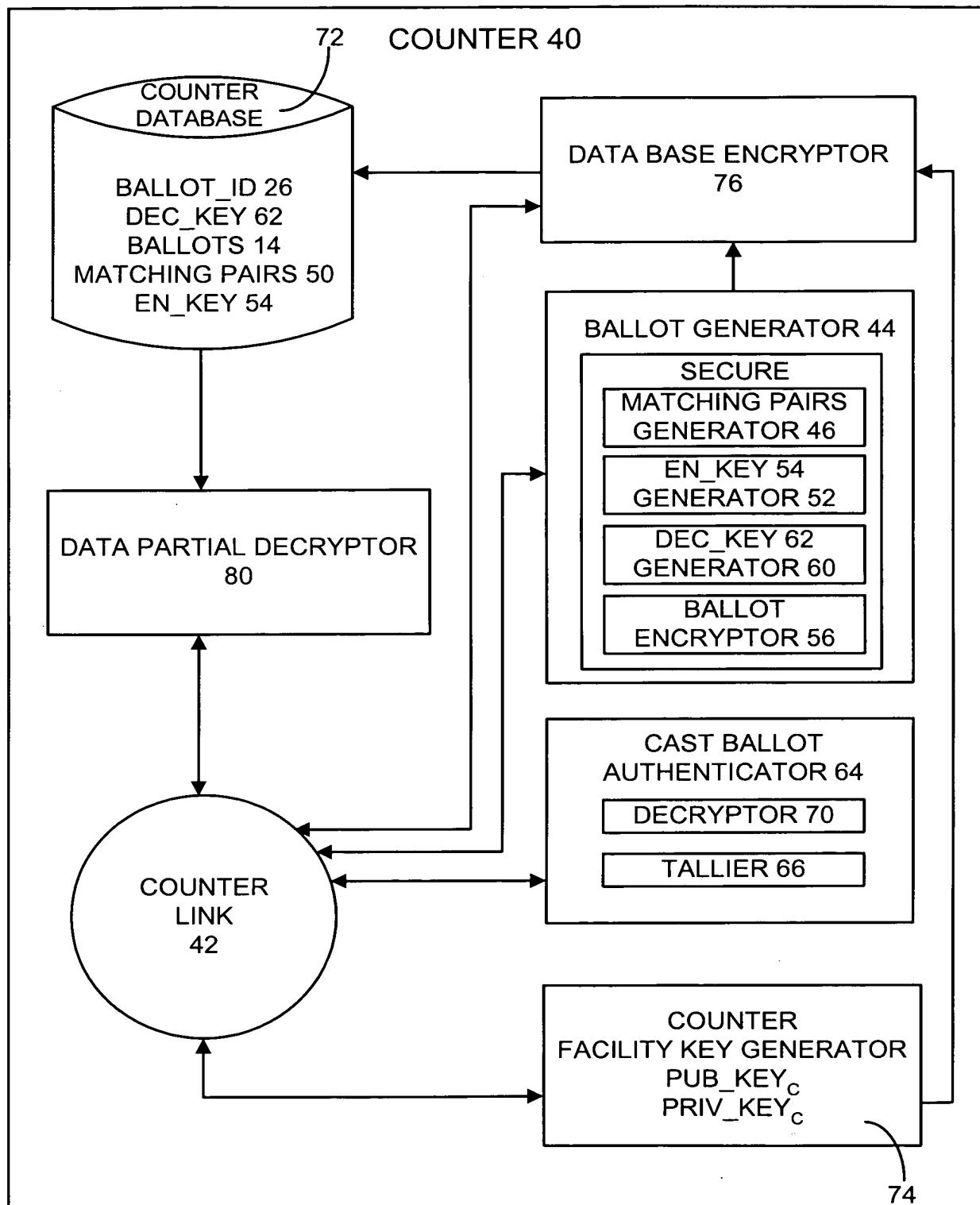


FIG. 11

15 OF 16

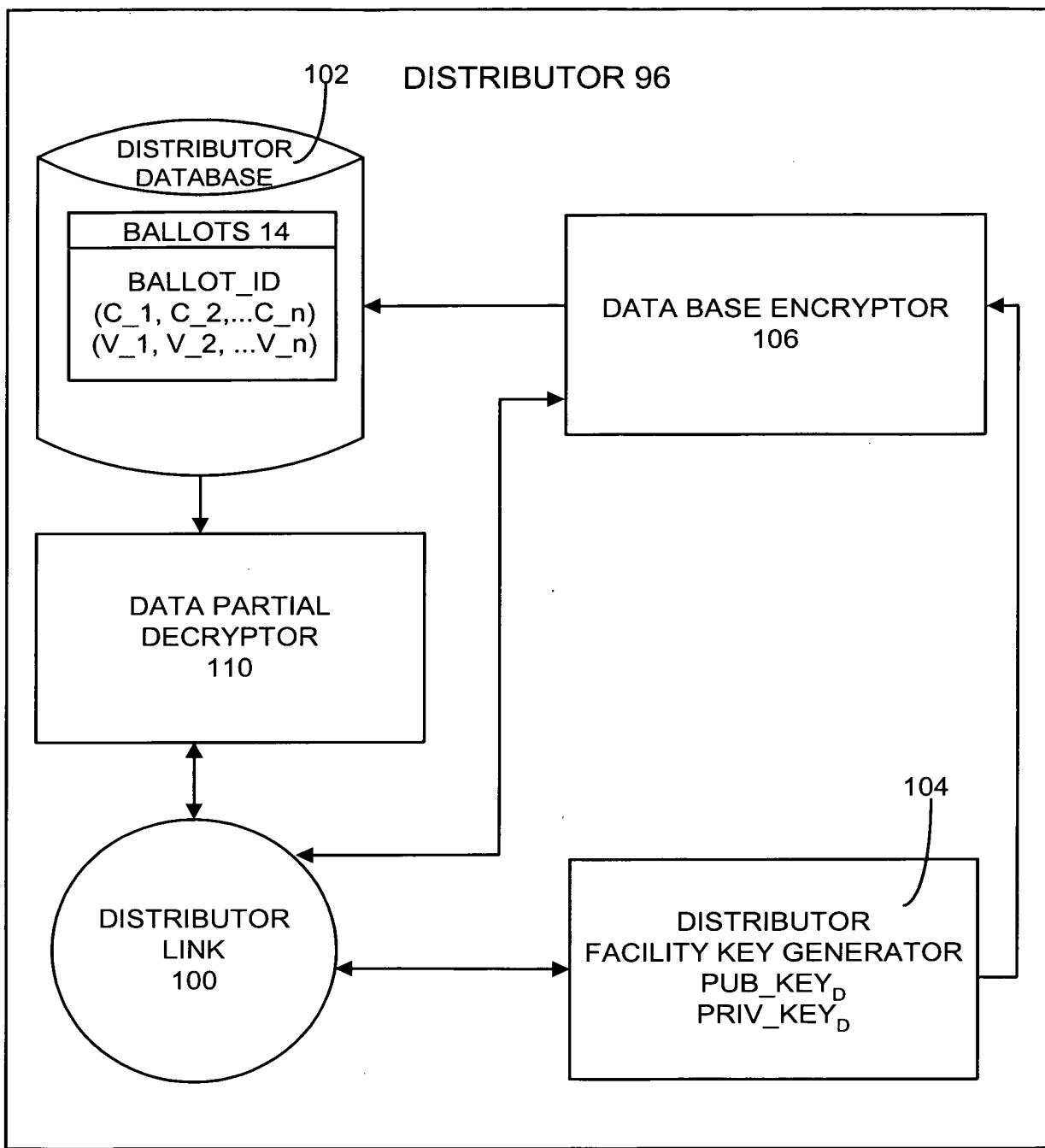


FIG. 12